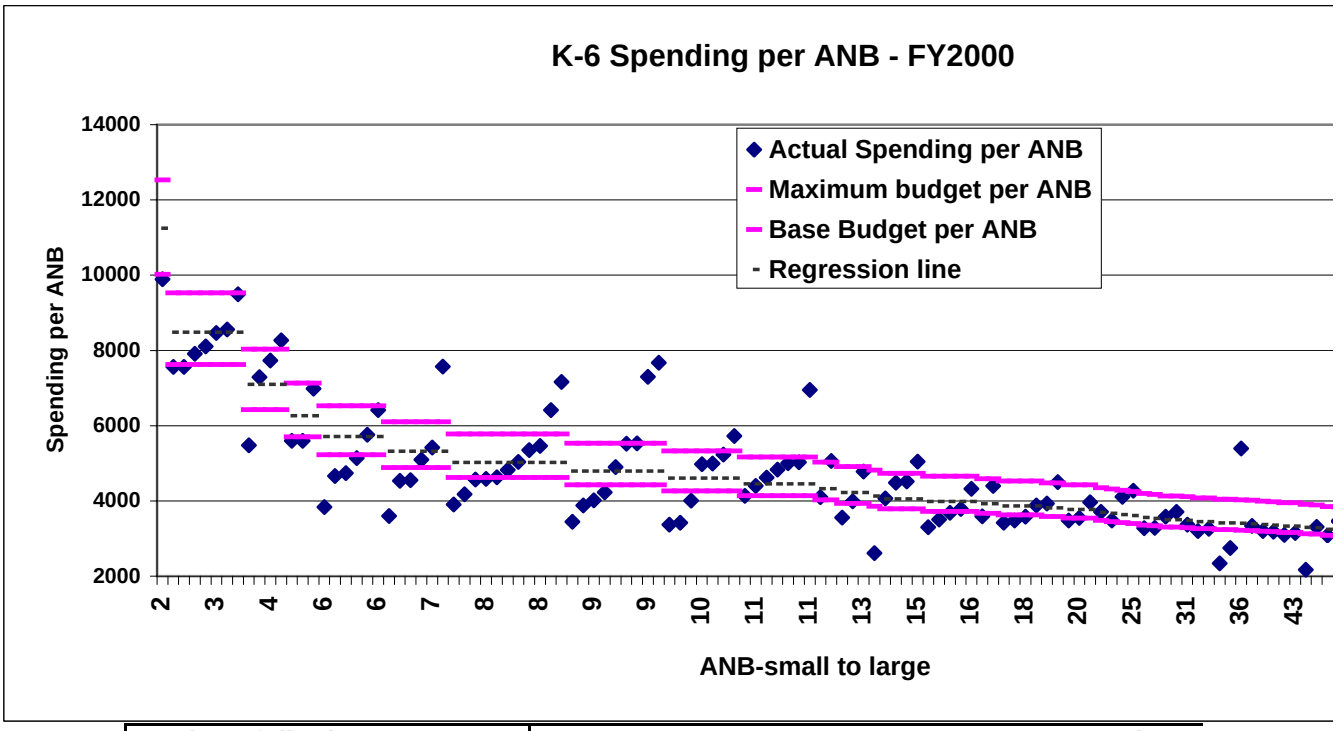
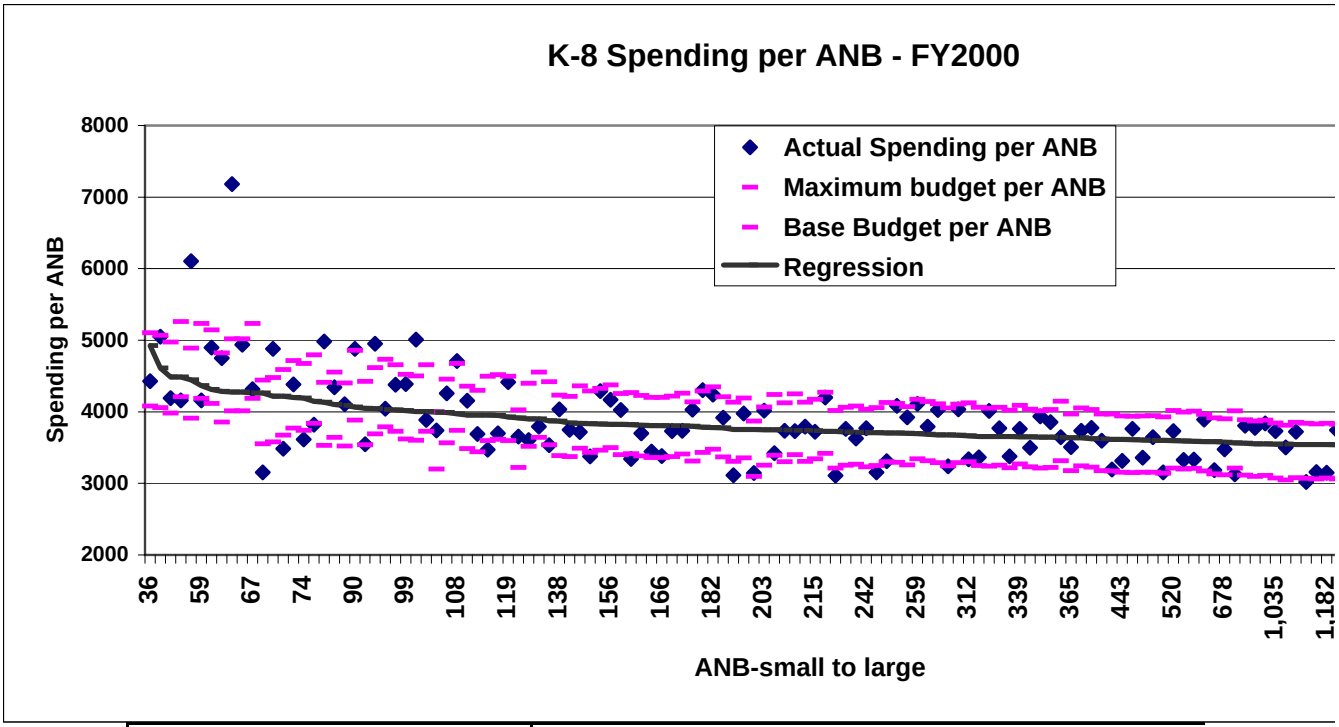
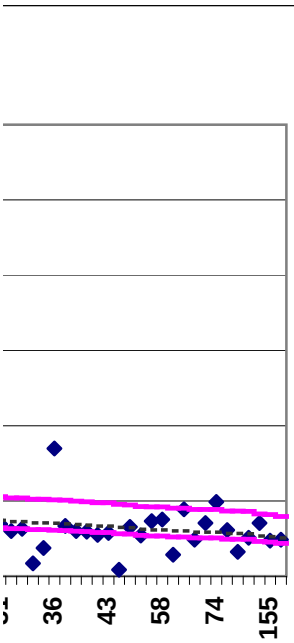
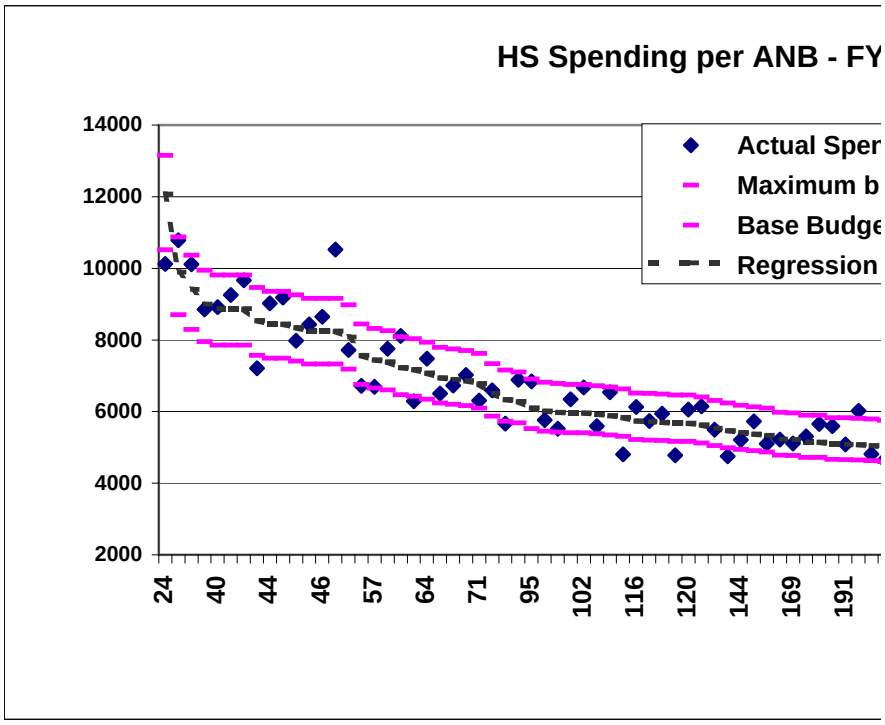


	Number of districts =	122		Average	Max	Min
K - 6	Spending < BASE	45	Size	24	227	2
	Spending > Max	15	Avg S/T Ratio	12.3	20.0	2.0

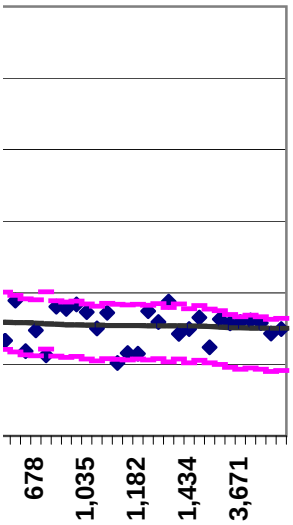


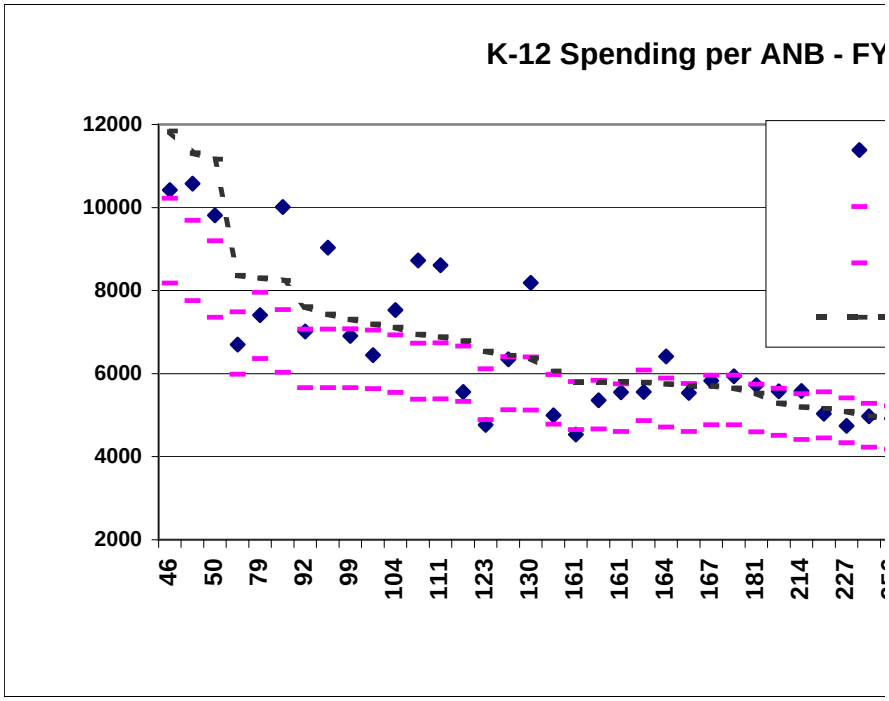
	Number of districts =	130		Average	Max	Min
K - 8	Spending < BASE	16	Size	625	10,286	36
	Spending > Max	10	Avg S/T Ratio	16.5	20.3	7.3



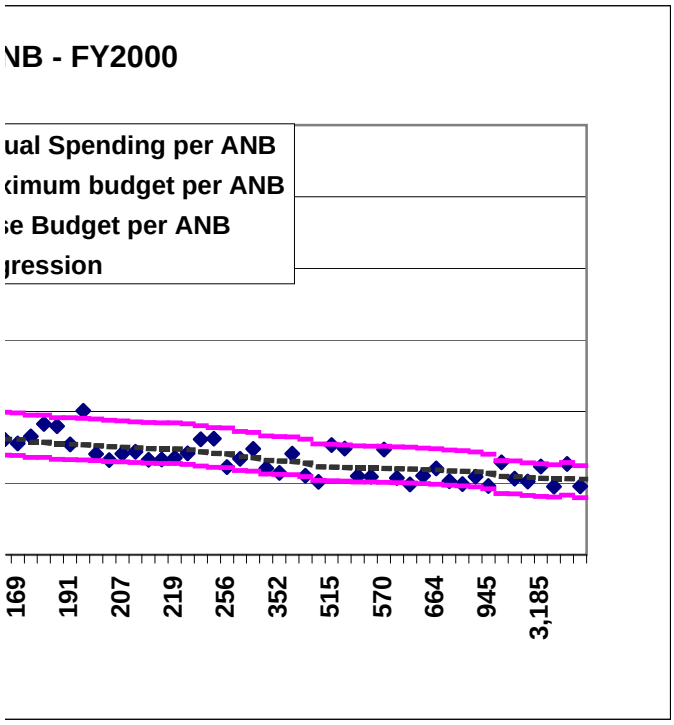


Y = $16,611 + $2,941 * X		Number of districts =	92	Average
Excludes Spec Ed	9 - 12	Spending < BASE	10	Size 450
		Spending > Max	3	S/T Ratio 14.0

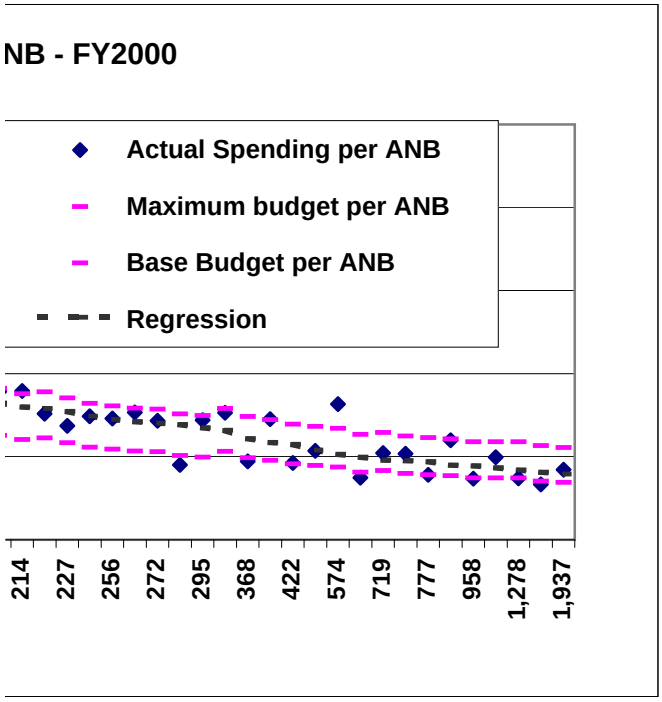




Y = $51,320 + $3,497 * X		Number of districts =	53	Average
Excludes Spec Ed	K - 12	Spending < BASE	9	Size 357
		Spending > Max	13	S/T Ratio 14.3



Max	Min	
5,532	24	Y = $191,902 + $4,077 * X
18.3	4.3	Excludes Spec Ed



Max	Min	
1,937	46	Y = $389,156 + $3376 * X
17.6	4.8	Excludes Spec Ed

Governor's Council on Education Funding

09/29/01

Regression Analysis

Data Year FY2000

Data Segments - 4 regressions run

K-12
K-6
K-8

9 - 12

Expenditures = FY00 GF expenditures - Special Ed Expenditures + Impact Aid

Outliers Excluded - Districts with impact aid greater than 5% of (GF and Impact Aid)

Equations

E = F(ANB) - linear

E = F(ANB, ANBSQ)-quadratic

Comparative results		Elementary		High School	
		1992	**2000**	**1992**	**2000**
95th Percentile	Intercept	$ 13,037	$ 16,825	$ 199,385	$ 230,734
	Per ANB	$ 2,859	$ 3,683	$ 4,308	$ 4,581

What's was in Law		**1994**	**2000**	**1994**	**2000**
	Basic	$ 18,000	$ 18,000	$ 200,000	$ 200,000
	Per ANB	$ 3,500	$ 3,529	$ 4,900	$ 4,821
	Decrement	$ (0.20)	$ (0.50)	$ (0.20)	$ (0.50)

Results	FY2000 Current Law	99 Percentile New Regression		
K-6				
Intercept	$ 18,000	$ 21,890	average size	24.0
Per ANB	$ 3,529	$ 3,076	average S/T ratio	12.3
Decrement	$ (0.20)	$ -	Number Districts	122
K-8				
Intercept	63,500	$ 98,055	average size	624.9
Per ANB	3852	$ 3,529	average S/T ratio	16.5
Decrement	(0.28)	-	Number Districts	130

HS

Intercept	$ 200,000	$ 244,774	average size		449.7
Per ANB	$ 4,821	$ 4,664	average S/T ratio		14.0
Decrement	$ (0.50)	$ (0.00001)	Number Districts		92
K-12					
Intercept	$ 109,000	$ 133,332	average size		357.2
Per ANB	$ 4,175	$ 3,870	average S/T ratio		14.3
Decrement	$ (0.35)	$ (0.000004)	Number Districts		53

What Regression Is:

- A line fitting the data on spending as related to ANB
- The line is optimal in the sense that no other line would fit so well
- In this case, the regression is run over a cross section of schools at
- It is an average, and does not represent the Maximum budget.
- In this case the results are influenced by the current Max/Min budge

What Regression is not

- user friendly, easily explainable.
- cannot measure "true costs", measures instead average spending p
- able to say anything about adequacy or about split between state a
-able to tell how schools or the state should react over time (to declin
-able to say anyhting about proper weights for special ed, at risk yout

Max	MIN
227	2
20.0	2.0
10,286	36
20.3	7.3

5,532	24
18.3	4.3

1,937	46
17.6	4.8

: a point in time

eting system

ɔer ANB as constrained by the current system

nd local funding

ıing enrollment, say)

th, etc.